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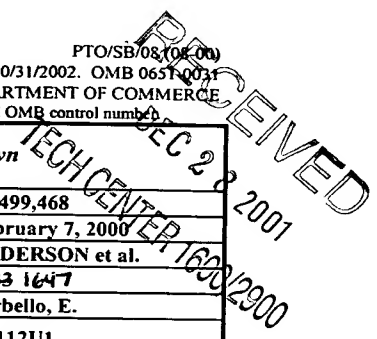
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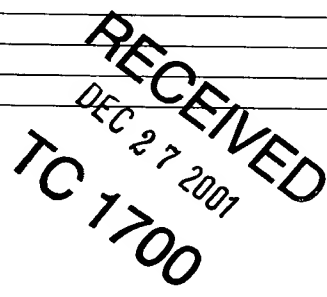
Substitute for form 1449/PTO		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	09/499,468
		Filing Date	February 7, 2000
		First Named Inventor	ALDERSON et al.
		Group Art Unit	1633 1647
		Examiner Name	Sorbello, E.
		Attorney Docket Number	PF112U1
Sheet	1	of	1



U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		

FOREIGN PATENT DOCUMENTS					
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BL	FU	ALDERSON, et al. (1999) Vascular endothelial cell growth factor (VEGF)-2 enhances the development of rat photoreceptor cells in vitro. Keystone Symposia, Ocular Cell and Molecular Biology, 202. (Abstract provided)
↓	FV	YOUREY, et al. (2000) Vascular Endothelial Cell Growth Factors Promote the In Vitro Development of Rat Photoreceptor Cells. J. Neuroscience, 20: 6781 - 6788.
↓	FW	YOUREY, et al. (1999) Vascular Endothelial Cell Growth Factor (VEGF)-2 Enhances the Development of Rat Photoreceptor Cells In Vitro. Soc. Cell Biology, 227. (Abstract provided)



Examiner Signature	<i>[Signature]</i>	Date Considered	9/12/02
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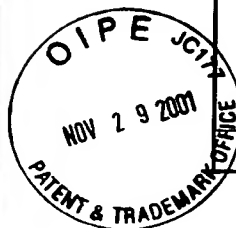
# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 9

## Complete if Known

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First Named Inventor ALDERSON et al.  
Group Art Unit 1633 1647  
Examiner Name Sorbello, E.  
Attorney Docket Number PF112U1



## U.S. PATENT DOCUMENTS

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		Number	Kind Code <sup>2</sup> (if known)			
A	AA	5,633,147		Meissner et al.	05-27-1999	
	AB	5,283,354		Lemischka	02-01-1994	
	AC	5,240,848		Keck et al.	08-31-1993	
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	BK	08/601132			02/1996	
	BL	08/671573			06/1996	
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	BN	08/554374			11/1995	

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		Office <sup>3</sup>	Number <sup>4</sup>				
BL	AF		99/46364	Human Genome Sciences, Inc.	09-16-1999		
	AG		98/33917	Ludwig Institute for Cancer Research/Univ. Helsinki Licensing Ltd.	06-08-1998		
	AH		98/07832	Ludwig Institute for Cancer Research/Univ. Helsinki Licensing Ltd. Oy	02-26-1998		

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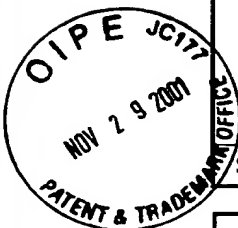


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		Filing Date	February 7, 2000
		First Named Inventor	ALDERSON et al.
		Group Art Unit	1633-1647
		Examiner Name	Sorbello, E.
Sheet 2 of 9	Attorney Docket Number	PF112U1	



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PK	AI		96/39515		Human Genome Sciences, Inc.	12-12-1996
	AJ		96/05856		Human Genome Sciences, Inc.	02-29-1996
	AK		95/24414		Human Genome Sciences, Inc.	09-14-1995
	AL		95/19985		Human Genome Sciences, Inc.	07-27-1995
	AM		92/14748		American Cyanamid Co.	09-03-1992
	FR		9-403464		Human Genome Sciences, Inc.	01-31-1996
	AU		99/21590		Merck & Co.	05-06-1999
	AV		99/08522		Ludwig Institute for Cancer Research/Univ. Helsinki Licensing Ltd.	02-25-1999
	AW		98/56936		Max-Planck-Gesellschaft Zur Forderung Der Wissenschaften E.V.	12-17-1998
	AX		98/49300		Collateral Therapeutics	11-05-1998
	AY		98/39035		The Wistar Institute of Anatomy & Biology	09-11-1998
	AZ		98/24811		Zymogenetics, Inc.	06-11-1998
	BB		98/06844		Human Genome Sciences, Inc.	02-19-1998
	BC		710696		Genentech, Inc.	09-30-1999
	BO		0-476983		Bayne et al.	03-25-1992
	BP		0-506477		Bayne et al.	09-30-1992
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✓	BS		97/17442		Immunex Corporation	05-15-1997

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		Filing Date	February 7, 2000
		First Named Inventor	ALDERSON et al.
		Group Art Unit	4633-1647
		Examiner Name	Sorbello, E.
Sheet 3 of 9	Attorney Docket Number	PF112U1	



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BT		ACHEN <i>et al.</i> , "Vascular endothelial growth factor D (VEGF-D) is a ligand for the tyrosine kinases VEGF receptor-2 (Flk1) and VEGF receptor 3 (Flt4)," <i>Proc. Natl. Acad. Sci. (USA)</i> , 95(2): 548-553 (1998).	
BU		ANDERSSON <i>et al.</i> , "Assignment of interchain disulfide bonds in platelet-derived growth factor (PDGF) and evidence for agonist activity of monomeric PDGF," <i>J. Biol. Chem.</i> , 267(16): 11260-11266 (1992).	
BV		ANDERSSON W.F., "Human gene therapy," <i>Science</i> , 256:808-813 (1992).	
BW		Aprelikova <i>et al.</i> , "FLT4, a novel class III receptor tyrosine kinase in chromosome 5q33-qter," <i>Cancer Research</i> , 52:746-748 (1992).	
BX		DIGNAM <i>et al.</i> , "Balbiani ring 3 in <i>chironomus tentans</i> encodes a 185-kDa secretory protein which is synthesized throughout the fourth larval instar," <i>Gene</i> 88:133-140 (1990).	
BY		FERRARA <i>et al.</i> , "Molecular and biological properties of the vascular endothelial growth factor family of proteins," <i>Endocrine Rev.</i> 13(1): 18-32 (1992).	
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CA		HELDIN <i>et al.</i> , "Structure of platelet-derived growth factor: implications for functional properties," <i>Growth Factors</i> 8:245-252 (1993).	
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CC		PAJUSOLA <i>et al.</i> , "FLT4 receptor tyrosine kinase contains seven immunoglobulin-like loops and is expressed in multiple human tissues and cell lines," <i>Cancer Research</i> 52:5738-5743 (1992).	
CD		LEUNG <i>et al.</i> , "Vascular endothelial growth factor is a secreted angiogenic mitogen," <i>Science</i> 246:1306-1309 (1989).	
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CG		BERSE <i>et al.</i> , "Vascular permeability factor (vascular endothelial growth factor) gene is expressed differentially in normal tissues, macrophages, and tumors," <i>Mol. Biol. Cell.</i> 3:211-220 (1992).	
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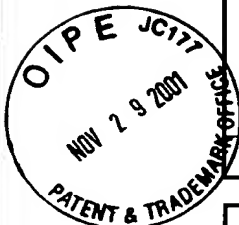
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PK	CI	CLAFFEY <i>et al.</i> , "Vascular endothelial growth factor," <i>J. Biol. Chem.</i> 267(23): 16317-16322 (1992).	
	CJ	CORSON <i>et al.</i> , "Fibrillin binds calcium and is coded by cDNAs that reveal a multidomain structure and alternatively spliced exons at the 5' end," <i>Genomics</i> 17:476-484 (1993).	
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PM	CX	MATTHEWS <i>et al.</i> , "A receptor tyrosine kinase cDNA isolated from a population of enriched primitive hematopoietic cells and exhibiting close genetic linkage to <i>c-kit</i> ," <i>Proc. Natl. Acad. Sci. (USA)</i> , 88:9026-9030 (1991).	
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	DC	PAJUSOLA <i>et al.</i> , "Two human FLT4 receptor tyrosine kinase isoforms with distinct carboxy terminal tails are produced by alternative processing of primary transcripts," <i>Oncogene</i> 8:2931-2937 (1993).	
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	DF	TERMAN <i>et al.</i> , "Identification of a new endothelial cell growth factor receptor tyrosine kinase," <i>Oncogene</i> 6:1677-1683 (1991).	
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✓	DM	GUZMAN <i>et al.</i> "Efficient gene transfer into myocardium by direct injection of adenovirus vectors," <i>Circ. Res.</i> 73:1202-1207 (1993).	

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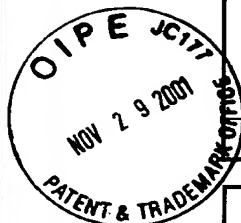


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Substitute for form 1449/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	09/499,468
		Filing Date	February 7, 2000
		First Named Inventor	ALDERSON et al.
		Group Art Unit	4633-1647
		Examiner Name	Sorbello, E.
Sheet	6	of	9
		Attorney Docket Number	PF112U1



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OTHER REFERENCES - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
PK ↓	DN	BELLOMO <i>et al.</i> , "Mice Lacking the Vascular Endothelial Growth Factor-B Gene (Vegfb) Have Smaller Hearts, Dysfunctional Coronary Vasculature, and Impaired Recovery From Cardiac Ischemia," <i>Circ. Research</i> 89(2): e29-e35 (2000).	
	DO	COCKERILL <i>et al.</i> , "Angiogenesis: Models and Modulators" <i>Intl. Rev. Cytology</i> 159:113-160 (1995).	
	DP	GAMBLE <i>et al.</i> , "Regulation of In Vitro Capillary Tube Formation by Anti-Integrin Antibodies," <i>J. Cell. Bio.</i> 121(4): 931-943 (1993).	
	DQ	GOLDSPIEL <i>et al.</i> , "Human Gene Therapy," <i>Clinical Pharmacy</i> 12: 488-505 (1993).	
	DR	GRIMMOND <i>et al.</i> , "Cloning and Characterization of a Novel Human Gene Related to Vascular Endothelial Growth Factor," <i>Genome Research</i> 6:124-131 (1996).	
	DS	HYDE <i>et al.</i> , "Correction of the ion transport defect in cystic fibrosis transgenic mice by gene therapy," <i>Nature</i> 362: 250-255 (1993).	
	DT	KAY <i>et al.</i> , "In Vivo Gene Therapy of Hemophilia B: Sustained Partial Correction in Factor IX-Deficient Dogs," <i>Science</i> 262:117-119 (1993).	
	DU	KOLODKA <i>et al.</i> , "Hepatic Gene Therapy: Efficient Retroviral-Mediated Gene Transfer into Rat Hepatocytes in Vivo," <i>Somatic Cell and Molecular Genetics</i> 19(5): 491-497 (1993).	
	DV	LIUWIN <i>et al.</i> , "Role of Cytokines in Endothelial Cell Functions," <i>Human Cytokines</i> 101-129.	
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DX		SILINS <i>et al.</i> , "Analysis of the Promoter Region of the Human VEGF-Related Factor Gene," <i>Biochem. Biophys. Res. Comm.</i> 230: 413-418 (1997).	
DY		STEWART <i>et al.</i> , "Insulin delivery by somatic cell gene therapy," <i>J of Mol. Endocrinology</i> 11: 335-341 (1993).	
DZ		TOWNSON <i>et al.</i> , "Characterization of the Murine VEGF-Related Factor Gene," <i>Biochem. &amp; Biophys. Res. Comms.</i> 220: 922-928 (1996).	
EA		WALSH <i>et al.</i> , "Gene Therapy for Human Hemoglobinopathies," <i>P.S.E.B.M.</i> 204: 289-300, (1993).	
EB		GenBank Accession No. X68203, APRELIKOVA <i>et al.</i> , "H.sapiens mRNA for FLT4, class III receptor tyrosine kinase," November 30, 1993.	
EC		GenBank Accession No. M95200, CLAFFEY <i>et al.</i> , "Mouse vascular endothelial growth factor mRNA, complete cds," April 27, 1993.	
↓	ED	GenBank Accession No. M24160, DIGNAM <i>et al.</i> , "C.tentans 185-kd secretory protein (sp185) mRNA, partial cds, clone pCt185," April 26, 1993.	

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# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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## **Complete if Known**

Sheet	7	of	9	Application Number	09/499,468
				Filing Date	February 7, 2000
				First Named Inventor	ALDERSON et al.
				Group Art Unit	1633-1647
				Examiner Name	Sorbello, E.
				Attorney Docket Number	PF112U1

## **OTHER REFERENCES - NON PATENT LITERATURE DOCUMENTS**

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PK	EE	GenBank Accession No. M24276, DIGNAM <i>et al.</i> , "C.tentans 140-kd secretory protein (sp140) mRNA, partial cds, clone pCt140.1," April 26, 1993.	
	EF	GenBank Accession No. M24277, DIGNAM <i>et al.</i> , "C.tentans 140-kd secretory protein (sp140) mRNA, partial cds, clone pCt140.2," April 26, 1993.	
	EG	GenBank Accession No. D88689, FINNERTY <i>et al.</i> , "Mus musculus mRNA for flt-1, complete cds," April 14, 2000.	
	EH	GenBank Accession No. L07296, FINNERTY <i>et al.</i> , "Mus musculus receptor tyrosine kinase (FLT4) mRNA, complete cds," August 9, 1993.	
	EI	GenBank Accession No. X54936, MAGLIONE <i>et al.</i> , "H.sapiens mRNA for placenta growth factor (PIGF)," November 12, 1991.	
	EJ	GenBank Accession No. S57152, MAGLIONE <i>et al.</i> , "Homo sapiens placenta growth factor 2 (PIGF-2) gene, partial cds," March 5, 2001.	
	EK	GenBank Accession No. X59397, MATTHEWS <i>et al.</i> , "Mouse Flk-1 mRNA for a tyrosine kinase receptor," November 6, 1991.	
	EL	GenBank Accession No. X52263, PAULSSON <i>et al.</i> , "C.tentans balbiani ring 3 (BR3) gene," December 18, 1992.	
	EM	GenBank Accession No. M63971, TISCHER <i>et al.</i> , "Human vascular endothelial growth factor gene, exon 1," August, 1993.	
	EN	GenBank Accession No. M63972, TISCHER <i>et al.</i> , "Human vascular endothelial growth factor gene, exon 2," August 3, 1993.	
	EO	GenBank Accession No. M63973, TISCHER <i>et al.</i> , "Human vascular endothelial growth factor gene, exon 3," August 3, 1993.	
	EP	GenBank Accession No. M63974, TISCHER <i>et al.</i> , "Human vascular endothelial growth factor gene, exon 4," August 3, 1993.	
	EQ	GenBank Accession No. M63975, TISCHER <i>et al.</i> , "Human vascular endothelial growth factor gene, exon 5," August 3, 1993.	
	ER	GenBank Accession No. M63976, TISCHER <i>et al.</i> , "Human vascular endothelial growth factor gene, exon 6," August 3, 1993.	
	ES	GenBank Accession No. M63977, TISCHER <i>et al.</i> , "Human vascular endothelial growth factor gene, exon 7," August 3, 1993.	
	ET	GenBank Accession No. M63978, TISCHER <i>et al.</i> , "Human vascular endothelial growth factor gene, exon 8," August 3, 1993.	
	EU	GenBank Accession No. M27281, KECK <i>et al.</i> , "Human vascular permeability factor mRNA, complete cds," August 3, 1993.	
✓	EV	GenBank Accession No. X04571, BELL <i>et al.</i> , "Human mRNA for kidney epidermal growth factor (EGF) precursor," March 21, 1995.	

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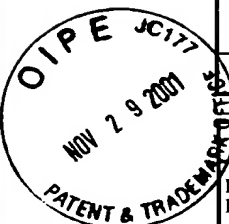
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	09/499,468
		Filing Date	February 7, 2000
		First Named Inventor	ALDERSON et al.
		Group Art Unit	<del>463</del> 1647
		Examiner Name	Sorbello, E.
Sheet	8	of	9
		Attorney Docket Number	PF112U1

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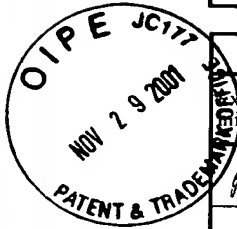
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
EW		GenBank Accession No. X63556, CORSON <i>et al.</i> , "H. sapiens mRNA for fibrillin," February 17, 1997.	
EX		GenBank Accession No. L19896, CORSON <i>et al.</i> , "Human fibrillin (FBN1) gene, 5' end including alternative exons A, B, and C, and exon M," November 8, 1994.	
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EZ		GenBank Accession No. M16237, TANAKA <i>et al.</i> , "Human c-src-1 proto-oncogene, exon 2," January 13, 1995.	
FA		GenBank Accession No. M16243, TANAKA <i>et al.</i> , "Human c-src-1 proto-oncogene, exon 3," January 13, 1995.	
FB		GenBank Accession No. M16244, TANAKA <i>et al.</i> , "Human c-src-1 proto-oncogene, exon 4, January 13, 1995.	
FC		GenBank Accession No. M16245, TANAKA <i>et al.</i> , "Human c-src-1 proto-oncogene, exon 5," January 13, 1995.	
FD		GenBank Accession No. K03212, ANDERSON <i>et al.</i> , "Human c-src-1 proto-oncogene, exon 6," January 13, 1995.	
FE		GenBank Accession No. K03213, ANDERSON <i>et al.</i> , "Human c-src-1 proto-oncogene, exon 7," January 13, 1995.	
FF		GenBank Accession No. K03214, ANDERSON <i>et al.</i> , "Human c-src-1 proto-oncogene, exon 8," January 13, 1995.	
FG		GenBank Accession No. K03215, ANDERSON <i>et al.</i> , "Human c-src-1 proto-oncogene, exon 9," January 13, 1995.	
FH		GenBank Accession No. K03216, TANAKA <i>et al.</i> , "Human c-src-1 proto-oncogene, exon 10, January 13, 1995.	
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FJ		GenBank Accession No. K03218, TANAKA <i>et al.</i> , "Human c-src-1 proto-oncogene, exon 12," January 13, 1995.	
FK		GenBank Accession No. M13994, TSUJIMOTO <i>et al.</i> , "Human B-cell leukemia/lymphoma 2 (bcl-2) proto-oncogene mRNA encoding bcl-2-alpha protein, complete cds," October 31, 1994.	
FL		GenBank Accession No. M13995, TSUJIMOTO <i>et al.</i> , "Human B-cell leukemia/lymphoma 2 (bcl-2) proto-oncogene mRNA encoding bcl-3-beta protein, complete cds," October 31, 1994.	
FM		GenBank Accession No. L22473, OLTVAI <i>et al.</i> , "Human Bax alpha mRNA, complete cds," December 15, 1993.	

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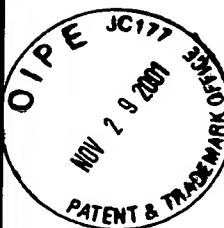
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		Group Art Unit	<del>1633</del> 1647		
		Examiner Name	Sorbello, E.		
Sheet	9	of	9	Attorney Docket Number	PF112U1



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AL	EP	GenBank Accession No. AJ000185, ACHEN <i>et al.</i> , "Homo Sapiens mRNA for vascular endothelial growth factor-D," February 11, 1998.	
	PS	International Search Report, Application No. PCT/US99/05021.	
	FT	International Search Report, Application No. PCT/US94/05291.	

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